

Paper 19



1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/612,314A

DATE: 02/12/2003

TIME: 10:33:01

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TECH CENTER 1600/2900

Input Set : A:\37945004.app

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3 <110> APPLICANT: SMITH, RICHARD ANTHONY GODWIN
 4 DODD, IAN
 5 MOSSAKOWSKA, DANUTA EWA IRENA
 7 <120> TITLE OF INVENTION: CONJUGATES OF SOLUBLE PEPTIDIC COMPOUNDS WITH
 8 MEMBRANE-BINDING AGENTS
 10 <130> FILE REFERENCE: 37945-0004
 12 <140> CURRENT APPLICATION NUMBER: US 09/612,314A
 13 <141> CURRENT FILING DATE: 2000-07-07
 15 <150> PRIOR APPLICATION NUMBER: US 09/214,913
 16 <151> PRIOR FILING DATE: 1999-03-16
 18 <150> PRIOR APPLICATION NUMBER: PCT/EP97/03715
 19 <151> PRIOR FILING DATE: 1997-07-08
 21 <150> PRIOR APPLICATION NUMBER: GB 96 148 71.3
 22 <151> PRIOR FILING DATE: 1996-07-15
 24 <160> NUMBER OF SEQ ID NOS: 53
 26 <170> SOFTWARE: PatentIn Ver. 2.1
 28 <210> SEQ ID NO: 1
 29 <211> LENGTH: 37
 30 <212> TYPE: DNA
 31 <213> ORGANISM: Artificial Sequence
 33 <220> FEATURE:
 34 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 35 oligonucleotide
 37 <400> SEQUENCE: 1
 38 gcaccgcagt gcatcatccc gaacaaatgc taataaa 37
 41 <210> SEQ ID NO: 2
 42 <211> LENGTH: 37
 43 <212> TYPE: DNA
 44 <213> ORGANISM: Artificial Sequence
 46 <220> FEATURE:
 47 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 48 oligonucleotide
 50 <400> SEQUENCE: 2
 51 agcttttatt agcatttggt cgggatgatg cactgcg 37
 54 <210> SEQ ID NO: 3
 55 <211> LENGTH: 85
 56 <212> TYPE: DNA
 57 <213> ORGANISM: Artificial Sequence
 59 <220> FEATURE:
 60 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 61 oligonucleotide
 63 <400> SEQUENCE: 3
 64 gcaccgcagt gcatcatccc gaacaaagac ggtccgaaaa agaagaaaaa gaaatctccg 60

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65 tccaaatctt ccggttgcta ataaa 85
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70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
75     oligonucleotide
77 <400> SEQUENCE: 4
78 agcttttatt agcaaccgga agatttggac ggagatttct ttttcttctt tttcggaccg 60
79 tctttgttcg ggatgatgca ctgcg 85
82 <210> SEQ ID NO: 5
83 <211> LENGTH: 17
84 <212> TYPE: PRT
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide used
89     to synthesize MSWP-1
91 <220> FEATURE:
92 <223> OTHER INFORMATION: c-term amidation
94 <400> SEQUENCE: 5
95 Gly Ser Ser Lys Ser Pro Ser Lys Lys Lys Lys Lys Pro Gly Asp
96   1             5             10             15
98 Cys
101 <210> SEQ ID NO: 6
102 <211> LENGTH: 198
103 <212> TYPE: PRT
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Description of Artificial Sequence: [SCR1-3]-Cys protein
109 <400> SEQUENCE: 6
110 Met Gln Cys Asn Ala Pro Glu Trp Leu Pro Phe Ala Arg Pro Thr Asn
111   1             5             10             15
113 Leu Thr Asp Glu Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn Tyr Glu
114             20             25             30
116 Cys Arg Pro Gly Tyr Ser Gly Arg Pro Phe Ser Ile Ile Cys Leu Lys
117             35             40             45
119 Asn Ser Val Trp Thr Gly Ala Lys Asp Arg Cys Arg Arg Lys Ser Cys
120             50             55             60
122 Arg Asn Pro Pro Asp Pro Val Asn Gly Met Val His Val Ile Lys Gly
123   65             70             75             80
125 Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser Cys Thr Lys Gly Tyr Arg
126             85             90             95
128 Leu Ile Gly Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp Thr Val
129             100            105            110
131 Ile Trp Asp Asn Glu Thr Pro Ile Cys Asp Arg Ile Pro Cys Gly Leu
132             115            120            125
134 Pro Pro Thr Ile Thr Asn Gly Asp Phe Ile Ser Thr Asn Arg Glu Asn
135             130            135            140

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137 Phe His Tyr Gly Ser Val Val Thr Tyr Arg Cys Asn Pro Gly Ser Gly
138 145          150          155          160
140 Gly Arg Lys Val Phe Glu Leu Val Gly Glu Pro Ser Ile Tyr Cys Thr
141          165          170          175
143 Ser Asn Asp Asp Gln Val Gly Ile Trp Ser Gly Pro Ala Pro Gln Cys
144          180          185          190
146 Ile Ile Pro Asn Lys Cys
147          195
150 <210> SEQ ID NO: 7
151 <211> LENGTH: 214
152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence: [SCR1-3]/switch fusion
157     protein
159 <400> SEQUENCE: 7
160 Met Gln Cys Asn Ala Pro Glu Trp Leu Pro Phe Ala Arg Pro Thr Asn
161   1          5          10          15
163 Leu Thr Asp Glu Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn Tyr Glu
164          20          25          30
166 Cys Arg Pro Gly Tyr Ser Gly Arg Pro Phe Ser Ile Ile Cys Leu Lys
167          35          40          45
169 Asn Ser Val Trp Thr Gly Ala Lys Asp Arg Cys Arg Arg Lys Ser Cys
170          50          55          60
172 Arg Asn Pro Pro Asp Pro Val Asn Gly Met Val His Val Ile Lys Gly
173  65          70          75          80
175 Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser Cys Thr Lys Gly Tyr Arg
176          85          90          95
178 Leu Ile Gly Ser Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp Thr Val
179          100          105          110
181 Ile Trp Asp Asn Glu Thr Pro Ile Cys Asp Arg Ile Pro Cys Gly Leu
182          115          120          125
184 Pro Pro Thr Ile Thr Asn Gly Asp Phe Ile Ser Thr Asn Arg Glu Asn
185          130          135          140
187 Phe His Tyr Gly Ser Val Val Thr Tyr Arg Cys Asn Pro Gly Ser Gly
188 145          150          155          160
190 Gly Arg Lys Val Phe Glu Leu Val Gly Glu Pro Ser Ile Tyr Cys Thr
191          165          170          175
193 Ser Asn Asp Asp Gln Val Gly Ile Trp Ser Gly Pro Ala Pro Gln Cys
194          180          185          190
196 Ile Ile Pro Asn Lys Asp Gly Pro Lys Lys Lys Lys Lys Lys Ser Pro
197          195          200          205
199 Ser Lys Ser Ser Gly Cys
200          210
203 <210> SEQ ID NO: 8
204 <211> LENGTH: 16
205 <212> TYPE: PRT
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:

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209 <223> OTHER INFORMATION: Description of Artificial Sequence: Illustrative amino
 210 acid sequence
 212 <400> SEQUENCE: 8
 213 Asp Gly Pro Lys Lys Lys Lys Lys Lys Ser Pro Ser Lys Ser Ser Gly
 214 1 5 10 15
 217 <210> SEQ ID NO: 9
 218 <211> LENGTH: 16
 219 <212> TYPE: PRT
 220 <213> ORGANISM: Artificial Sequence
 222 <220> FEATURE:
 223 <223> OTHER INFORMATION: Description of Artificial Sequence: Illustrative amino
 224 acid sequence
 226 <400> SEQUENCE: 9
 227 Gly Ser Ser Lys Ser Pro Ser Lys Lys Lys Lys Lys Lys Pro Gly Asp
 228 1 5 10 15
 231 <210> SEQ ID NO: 10
 232 <211> LENGTH: 20
 233 <212> TYPE: PRT
 234 <213> ORGANISM: Artificial Sequence
 236 <220> FEATURE:
 237 <223> OTHER INFORMATION: Description of Artificial Sequence: Illustrative amino
 238 acid sequence
 240 <400> SEQUENCE: 10
 241 Ser Pro Ser Asn Glu Thr Pro Lys Lys Lys Lys Lys Arg Phe Ser Phe
 242 1 5 10 15
 244 Lys Lys Ser Gly
 245 20
 248 <210> SEQ ID NO: 11
 249 <211> LENGTH: 16
 250 <212> TYPE: PRT
 251 <213> ORGANISM: Artificial Sequence
 253 <220> FEATURE:
 254 <223> OTHER INFORMATION: Description of Artificial Sequence: Illustrative amino
 255 acid sequence
 257 <400> SEQUENCE: 11
 258 Asp Gly Pro Lys Lys Lys Lys Lys Lys Ser Pro Ser Lys Ser Ser Lys
 259 1 5 10 15
 262 <210> SEQ ID NO: 12
 263 <211> LENGTH: 14
 264 <212> TYPE: PRT
 265 <213> ORGANISM: Artificial Sequence
 267 <220> FEATURE:
 268 <223> OTHER INFORMATION: Description of Artificial Sequence: Illustrative amino
 269 acid sequence
 271 <400> SEQUENCE: 12
 272 Ser Lys Asp Gly Lys Lys Lys Lys Lys Lys Ser Lys Thr Lys
 273 1 5 10
 276 <210> SEQ ID NO: 13
 277 <211> LENGTH: 6

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278 <212> TYPE: PRT
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Description of Artificial Sequence: Illustrative amino
283     acid sequence
285 <400> SEQUENCE: 13
286 Gly Arg Gly Asp Ser Pro
287   1           5
290 <210> SEQ ID NO: 14
291 <211> LENGTH: 209
292 <212> TYPE: PRT
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Description of Artificial Sequence: SCRI-3 with
297     the c-terminal amino acids N195 and K196 replaced
298     by a 14 amino acid peptide
300 <400> SEQUENCE: 14
301 Met Gln Cys Asn Ala Pro Glu Trp Leu Pro Phe Ala Arg Pro Thr Asn
302   1           5           10           15
304 Leu Thr Asp Glu Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn Tyr Glu
305           20           25           30
307 Cys Arg Pro Gly Tyr Ser Gly Arg Pro Phe Ser Ile Ile Cys Leu Lys
308           35           40           45
310 Asn Ser Val Trp Thr Gly Ala Lys Asp Arg Cys Arg Arg Lys Ser Cys
311           50           55           60
313 Arg Asn Pro Pro Asp Pro Val Asn Gly Met Val His Val Ile Lys Gly
314           65           70           75           80
316 Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser Cys Thr Lys Gly Tyr Arg
317           85           90           95
319 Leu Ile Gly Ser Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp Thr Val
320           100          105          110
322 Ile Trp Asp Asn Glu Thr Pro Ile Cys Asp Arg Ile Pro Cys Gly Leu
323           115          120          125
325 Pro Pro Thr Ile Thr Asn Gly Asp Phe Ile Ser Thr Asn Arg Glu Asn
326           130          135          140
328 Phe His Tyr Gly Ser Val Val Thr Tyr Arg Cys Asn Pro Gly Ser Gly
329           145          150          155          160
331 Gly Arg Lys Val Phe Glu Leu Val Gly Glu Pro Ser Ile Tyr Cys Thr
332           165          170          175
334 Ser Asn Asp Asp Gln Val Gly Ile Trp Ser Gly Pro Ala Pro Gln Cys
335           180          185          190
337 Ile Ile Pro Thr Asn Ala Asn Lys Ser Leu Ser Ser Ile Ser Cys Gln
338           195          200          205
340 Thr
343 <210> SEQ ID NO: 15
344 <211> LENGTH: 53
345 <212> TYPE: DNA
346 <213> ORGANISM: Artificial Sequence
348 <220> FEATURE:

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VERIFICATION SUMMARY

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